

SECTION 612 -- SEALING TRANSVERSE AND LONGITUDINAL JOINTS

612.01 -- Description

This work shall consist of the preparation and sealing of all joints in the concrete roadway.

612.02 -- Material Requirements

The joints shall be sealed with hot-poured type joint sealing filler which conforms to the requirements of Section 1014 in the 1997 English Edition of the Standard Specifications.

612.03 -- Construction Methods

1. Preparation of Transverse Joints

a. All joints shall be prepared by removing old joint sealing filler and other foreign material by diamond-blade sawing or other suitable method which will produce similar results. Details of the joints are shown in the plans. If the method of removing the old joint sealing filler creates a slurry, the joint shall be flushed with water to remove the slurry.

b. Immediately prior to sealing, the joints shall be sandblasted to remove any loose joint sealing filler and other foreign material remaining in the joint or adhering to internal surfaces of the joint after the initial preparation. The joints shall be dry and clean at the time of sealing.

c. Backer rods may be used in the transverse joints at the option of the Contractor. The backer rod shall be of a size which will fit tightly in the joint and of a material which will not melt when subjected to hot-poured type joint sealing filler. The backer rod shall be of such diameter to be seated properly that will allow for a depth of approximately 5/8 inch (16 mm) of crack sealing filler.

2. Sealing Joints

a. The joint sealing filler shall be melted uniformly and with constant stirring in a kettle of such design that direct flames are not applied to the immediate surfaces of the kettle which are in contact with the joint sealing filler.

b. The material shall be furnished or prepared in place of such size and shape that it can be melted readily to the proper pouring consistency.

c. The Contractor shall obtain, from the supplier or manufacturer and furnish to the project manager, the manufacturer's recommendations for mixing, application and temperature restrictions. These recommendations shall be strictly followed. In no case shall the sealing filler temperature exceed the maximum recommended by the manufacturer.

d. When proper pouring consistency is attained, the joints shall be filled through the use of a pressure type applicator, approved by the Engineer, and equipped with a nozzle which will fit into the joints.

e. Material spilled on surfaces of the pavement adjacent to the joint or overfilling the joint will be cleaned away by the Contractor at no additional cost to the Department.

612.04 -- Method of Measurement

Sealing joints will be measured for payment by the linear foot (meter) of joints sealed, measured to the nearest foot (meter) as sealed, complete, in place and accepted by the Engineer.

612.05 -- Basis of Payment

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| 1. Pay Item | Pay Unit |
| Sealing Joints | Linear Foot (LF)
[Meter (m)] |
2. Payment is full compensation for all work prescribed in this Section.